



Kahoolawe Island Reserve Commission

RESTORATION ACTIVITIES

Week: April 30 – May 4, 2001



The weed wrench tango, performed by volunteer Donna Ohora.



Below, EOD escort John Basurto assists KIRC volunteers in setting up a pump. The pump enables staff to empty a 400 gallon water buffalo into the larger water tanks, in about 15 minutes.



Additional Items:

- Andre completed and submitted a Fall Protection Plan.
- The use of Volunteer Trip Tracking Forms began in this week, to facilitate better tracking of trip logistics and contact by individuals and groups wanting to volunteer with the KIRC Restoration Program.

- Frank Trusdell, a USGS Geologist; Patty Moriyasu, nursery manager for the Volcano rare plants nursery; her assistant Donna Ohora; and Zoe Thorn, field technician Hawai'i Volcanoes National Park, joined the Restoration Program in three and a half days of weeding. Patty shared her thoughts regarding potting materials, species, and propagation strategies. Frank observed some of the rock formations of the island and discussed possible theories for boulder distribution patterns with Restoration staff.

- Approximately 1.25 acres were cleared of invasive species in the D4 planting area.

- Volunteers and Restoration staff visited the Keanakeiki cressa/yakiyaki grass community. It is currently in its annual dieback phase and will rejuvenate when the rains return.

- An additional 800 gallons of water were added to the 2,600 gallon tank at the rim of Luamakika; for a total of about 1,600 gallons. The goal is to have all three tanks in the area filled by the time of planting season.



Kahojōlawe Island Reserve Commission

RESTORATION ACTIVITIES

Week: May 7 – May 11, 2001



Additional Items:

- Survey design to track overall revegetation and recruitment of pili grass along the K1 and K1E roads is being developed by KIRC Restoration staff along with the NRCS Moloka'i Plant Materials Center.
- Discussions with Glenn Sakamoto (NRCS Moloka'i Plant Materials Center) have led to an agreement to increase pili grass plantings from 1.25 to 2.25 acres. Two acres will be devoted to pili for bales and 25ac specifically for pili seed. Kāwelu (*Eragrostis* sp.) and jāyali'i (*Dodonea viscosa*) will continue to be grown for seed. NRCS will be delivering 8 lbs of kāwelu and almost 2lbs of jāyali'i seed to the KIRC next week.
- The KIRC Restoration Program submitted a poster abstract to the Society for Ecological Recovery's October Conference. The topic of the conference is "Restoration Across Borders".
- Logistics have been completed for next week's complex round of trips to island which will bring out NRCS technical resource people, Restoration Program volunteers, KIRC Commissioners and staff.
- Andre, Juan Ramos and Bill Makaanani continued construction of the shed at the nursery site. The deck and rafters are up, and the roof is being framed. Andre picked up some rock wall tips and techniques from Juan (Juan is also a rock wall mason).
- Mike Nullet, UH Geography, assisted by Andre, checked the weather station at Lua ūO Keāliāluna and collected data from the station. The data will go to Tom Giambelluca to be analyzed for rain fall and moisture patterns for the KIRC.
- The KIRC Hut at Base Camp has a new look. The hut was cleaned and new curtains hung. (Look for a picture in next weeks Activities). Mahalo nui loa to Keaulani LeBron, KIRC Program Assistant for her help in making the curtains!
- Andre continues to foster good relations with Base Camp residents and with the PKO. He will join the PKO on this week's access.



Look to the future...



Kahoolawe Island Reserve Commission

RESTORATION ACTIVITIES

Week: May 14 – May 18, 2001



Field of dreams



Road survey



Additional Items:

- Finalized Field Coordinator position description for Commission review and approval.
- Year-end purchase of Restoration equipment initiated.
- Andre staked out the boundaries for Lua Makika sheds as requested by Navy. Ron Boyd wants to re-clear the location (Tier II) since the use has changed from agriculture to construction.
- Andre initiated a volunteer base camp beautification project. A dry stack retaining rock wall was built in front of the two lua's nearest to the LZ. Folks from Dyncorp, Molokai, Aczon assisted.
- Kathleen Dobler, State Resource Conservationist for the Natural Resources Conservation Service; Glenn Sakamoto, NRCS Plant Materials Center, Moloka'i; Bob Joy, NRCS Plant Materials Specialist; and David Duvauchelle, NRCS Biological Science Aide, (the people who have provided the KIRC with pili grass seed and bales, ʻāyaliʻi and kāwelu seed) joined Restoration staff in a review of past plantings, ʻāweoweo from seed in Luamakika, and erosion control and pili grass bales along the K1 road. NRCS staff were impressed with restoration to date and offered valuable suggestions on improving success rates, seed distribution and mulching techniques.
- NRCS Plant Materials Center delivered 8lbs of kāwelu and 2.5lbs ʻāyaliʻi seed to Restoration staff for use on Kahoolawe. The KIRC expects to receive its next load of pili bales in September 2001.
- Beginning at 360m above sealevel and working makai, NRCS and Restoration staff established 8 monitoring sites and photopoints along the main K1 road to track revegetation and pili grass establishment.
- NRCS and KIRC staff, Ron Boyd (Navy) and Joe DeAquila (Parsons-UXB) met and discussed erosion control measures with pili grass bales for the road.
- Andre and volunteers, Rebecca Delima and Kori Schlacter painted the deck of the new storage shed and treated marked koa haole with herbicide in the D-4 area.



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RESTORATION ACTIVITIES

Week: May 21-25, 2001



Penny completed the first step of restoration area assessment in six of the Lua Makika grids.

- Paul and Penny escorted four U.S Forest Service and DLNR Natural Area Reserve personnel on island to observe existing plant trials, get feedback and suggestions and exchange research information. Both groups have conducted both dry-land restoration and research efforts in the Kona coast area of Hawaii.

- First draft of evaluation report for D-4 planting area completed.

Additional Items:

- 800 more gallons added to our 2600 gallon storage tank at Lua Makika for a total of 2200 gallons stored.
- Andre purchased paint materials and supplies for storage sheds at KIRC nursery area and Lua Makika.
- Performance Evals for restoration staff completed.

